

4-19-07

Docket No.: MICRON.003C1  
Page 1

CPA/Gau 2823



## REQUEST FORM FOR CONTINUED PROSECUTION APPLICATION (CPA) UNDER 37 CFR 1.53(d)

Assistant Commissioner for Patents  
Box CPA  
Washington, D.C. 20231

This is a Request for filing a continuation application under 37 CFR 1.53(d) as a Continued Prosecution Application (CPA) of prior Application No. 09/037,945, filed on March 10, 1998, entitled STREAMLINED FIELD ISOLATION PROCESS, by inventors: Pierre C. Fazan, Viju K. Mathews, Nanseng Jeng

- A 1-month extension for responding to the PTO communication mailed March 27, 2000, in the prior application is hereby requested.

Time Extension Fee:

One Month (\$110)

- A preliminary amendment is enclosed.

The filing fee is calculated on the basis of the claims existing in the prior application as amended above.

RECEIVED  
APR 20 2000  
TC 2000 MAIL ROOM

FOR	NUMBER FILED	NUMBER EXTRA	RATE	FEE
Total Claims	11 - 20 =	0 ×	\$18	\$0
Independent Claims	4 - 3 =	1 ×	\$78	\$78
04/20/2000 STEFERRA 00000035 09037945		BASIC FEE	+ \$690	
G1 FC:102 02 FC:131 03 FC:115	78.00 0P 690.00 0P 110.00 0P			
		<b>TOTAL OF ABOVE CALCULATIONS</b>		<b>\$768</b>
Time Extension Fee				\$110
		<b>TOTAL</b>		<b>\$878</b>

- The power of attorney in the prior application is to the law firm of Knobbe, Martens, Olson & Bear, LLP (Customer No. 20,995).
- A check in the amount of \$878 is enclosed.
- The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 and 1.17 which may be required, now or in the future, or credit any overpayment to Deposit Account No. 11-1410. A duplicate copy of this sheet is enclosed.
- Return prepaid postcard.

---

Address all future communications to Customer No. 20,995.

Date: April 17, 2000

Signature:   
James B. Bear  
Registration No. 25,221  
Attorney of Record

## INTELLECTUAL PROPERTY LAW

## KNOBBE, MARTENS, OLSON &amp; BEAR

A LIMITED LIABILITY PARTNERSHIP INCLUDING  
PROFESSIONAL CORPORATIONS

## PATENT, TRADEMARK AND COPYRIGHT CAUSES

620 NEWPORT CENTER DRIVE

SIXTEENTH FLOOR

NEWPORT BEACH, CALIFORNIA 92660-8016

(949) 760-0404

FAX (949) 760-9502

INTERNET: WWW.KMOB.COM



LOUIS J. KNOBBE\*  
DON W. MARTENS\*  
GORDON H. OLSON\*  
JAMES B. BEAR  
DARRELL L. OLSON\*  
WILLIAM B. BUNKER  
WILLIAM H. NIEMAN  
ARTHUR S. ROSE  
JAMES F. LESNIAK  
NED A. ISRAELSEN  
DREW S. HAMILTON  
JERRY T. SEWELL  
JOHN B. SGANGA, JR.  
EDWARD A. SCHLATTER  
GERARD VON HOFFMANN  
JOSEPH R. RE  
CATHERINE J. HOLLAND  
JOHN M. CARSON  
KAREN VOGEL WEIL  
ANDREW H. SIMPSON  
JEFFREY L. VAN HOOSER  
DANIEL E. ALTMAN  
MARGUERITE L. GUNN  
STEPHEN C. JENSEN  
VITO A. CANUSO III  
WILLIAM H. SHREVE  
LYNDA J. ZADRA-SYMES†  
STEVEN J. NATAUFSKY  
PAUL A. STEWART  
JOSEPH F. JENNINGS  
CRAIG S. SUMMERS  
ANNEMARIE KAISER  
BRENTON R. BABCOCK

THOMAS F. SMEGAL, JR.  
MICHAEL H. TRENDHOLM  
DIANE M. REED  
JONATHAN A. BARNEY  
RONALD J. SCHOENBAUM  
JOHN R. KING  
FREDERICK S. BERRETTA  
NANCY WAYS VENSKO  
JOHN P. GIEZENTANNER  
ADEEL S. AKHTAR  
GINGER R. DREGER  
THOMAS R. ARNU  
DAVID N. WEISS  
DANIEL HART, PH.D.  
DOUGLAS G. MUEHLHAUSER  
LORI LEE YAMATO  
MICHAEL K. FRIEOLAND  
STEPHEN M. LOBBIN  
STACEY R. HALPERN  
DALE C. HUNT, PH.D.  
LEE W. HENDERSON, PH.D.  
DEBORAH S. SHEPHERD  
RICHARD E. CAMPBELL  
MARK M. ABUMERI  
JON W. GURKA  
ERIC M. NELSON  
ALEXANDER C. CHEN  
MARK R. BENEDICT, PH.D.  
PAUL N. CONOVER  
ROBERT J. ROBY  
SABING H. LEE  
KAROLINE A. DELANEY  
JOHN W. HOLCOMB

JAMES J. MULLEN, III, PH.D.

JOSEPH S. CIANFRANI

JOSEPH M. REISMAN, PH.D.

WILLIAM R. ZIMMERMAN

GLEN L. NUTTALL

ERIC S. FURMAN, PH.D.

TIRZAH ABE LOWE

GEOFFREY Y. IDA

ALEXANDER S. FRANCO

SANJIVPAL S. GILL

SUSAN M. MOSS

JAMES W. HILL, M.D.

ROSE M. THIESSEN, PH.D.

MICHAEL L. FULLER

MICHAEL A. GUILIANA

MARK J. KERTZ

RABINDER N. NARULA

BRUCE S. ITCHKAWITZ, PH.D.

PETER M. MIDGLEY

THOMAS S. MCCLENAHAN

MICHAEL S. OKAMOTO

JOHN M. GROVER

MALLARY K. DE MERLIER

IRFAN A. LATEEF

AMY C. CHRISTENSEN

SHARON S. NG

MARK J. GALLAGHER, PH.D.

DAVID G. JANKOWSKI, PH.D.

BRIAN C. HORNE

PAYSON J. LEMIEUVILLE

WILLIAM G. BERRY

OF COUNSEL  
JERRY R. SEILERJAPANESE PATENT ATTY  
KATSUHIRO ARAI\*\*EUROPEAN PATENT ATTY  
MARTIN HELLEBRANDTKOREAN PATENT ATTY  
MINCHEOL KIMSCIENTISTS & ENGINEERS  
(NON-LAWYERS)

RAIMOND J. SALENIEXS\*\*  
NEIL S. BARTFIELD, PH.D.\*\*  
DANIEL E. JOHNSON, PH.D.\*\*  
JEFFERY KOEPKE, PH.D.  
KHURRAM RAHMAN, PH.D.  
JENNIFER A. HAYNES, PH.D.  
BRENDAN P. O NEILL  
THOMAS Y. NAGATA  
ALAN C. GORDON  
LINDA H. LIU  
YASHWANT VAISHNAV, PH.D.  
MEGUMI TANAKA  
ANDREW N. MERICKEL  
CHE S. CHEREKSKIN, PH.D.\*\*  
JASON I. SAATHOFF  
ERIK W. ARCHBOLD  
PHILIP C. HARTSTEIN  
JULIE A. HOPPER  
CHRIS S. CASTLE

\* A PROFESSIONAL CORPORATION

† ALSO BARRISTER AT LAW (U.K.)

\*\* U.S. PATENT AGENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Attorney Docket No. : MICRON.003C1

Applicants : Fazan et al.

For : STREAMLINED FIELD ISOLATION  
PROCESS

Attorney : James B. Bear

"Express Mail"

Mailing Label No. : EL523239058

Date of Deposit : April 17, 2000

RECEIVED

APR 20 2000

TC 2800 MAIL ROOM

I hereby certify that the accompanying

Transmittal in Duplicate; Preliminary Amendment in 4 pages; Check for Filing Fee; Return Prepaid Postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Arthur Greene

H:\DOCSUBBUJB-1559.DOC  
041700

MICRON.003C1



#12/D  
4/25/00  
PATENT  
Murphy

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Fazan et al. ) Group Art Unit 2823  
Appl. No. : 09/037,945 )  
Filed : March 10, 1998 )  
For : STREAMLINED FIELD )  
ISOLATION PROCESS )  
Examiner : George Fourson )  
I hereby certify that this correspondence and all  
marked attachments are being deposited with  
the United States Postal Service as first-class  
mail in an envelope addressed to: Assistant  
Commissioner for Patents, Washington, D.C.  
20231, on  
April 17, 2000  
(Date)  
James B. Bear, Reg. No. 25,221

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

This is a response to the Office Action mailed on March 27, 2000, in which all of the pending claims were finally rejected. This Preliminary Amendment amends all of the pending claims to clarify the claimed process in a manner which avoids the prior art without altering the principal focus of the claims.

In the Claims:

D1 1. (Thrice Amended) A process of forming an integrated circuit, comprising:  
growing a silicon dioxide field isolation region on a semiconductor wafer  
without forming silicon nitride inclusions in said field isolation region exclusively by means  
of a hydrogen-free oxidant at a pressure less than about 30 atm; and forming a gate oxide  
without a prior sacrificial oxidation.

D2 5. (Thrice Amended) A field isolation region among integrated circuit devices on a  
semiconductor substrate formed by a process comprising:  
avoiding the formation of silicon nitride inclusions in the field isolation region by  
exposing a field region of the semiconductor substrate to a hydrogen-free oxidizing ambient  
at a pressure between about 5 atm and 30 atm.

RECEIVED  
APR 20 2000  
PC 2800 MAIL ROOM